

## Application No. 282: Magnetising a screwdriver

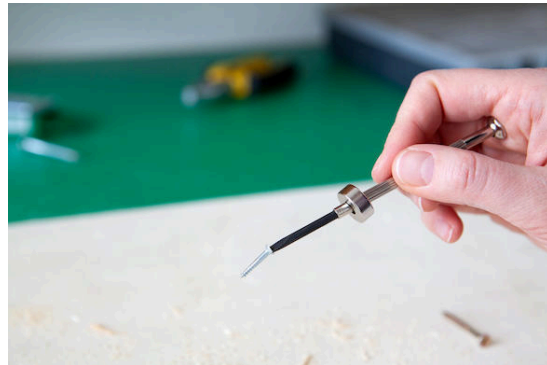
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### Screwing something on horizontally/vertically? No problem with a magnetised screwdriver!

Good screwdrivers should be magnetised these days, which would make it easier to get screws into hard to reach places. Magnetisation also comes in handy when you need to pick up a screw from the floor. Unfortunately, my screwdriver is pretty old and weakly magnetised: He barely manages to pick up a screw. As soon as you shake the screwdriver a little bit, the screw falls off.

#### Option 1: Attach a magnet to the screwdriver

All I had to do to revive a screwdriver, was to slide a ring magnet ([www.supermagnete.fr/eng/group/rings](http://www.supermagnete.fr/eng/group/rings)) of the right size over the blade. In my case, the ring magnet type R-19-09-06-N ([www.supermagnete.fr/eng/R-19-09-06-N](http://www.supermagnete.fr/eng/R-19-09-06-N)) fit nicely. Adding the magnet makes the screwdriver magnetic.



Now the screwdriver holds up to five screws at once! If only one screw hangs on the tip (which is generally the case :-)), it will hold extremely well and can even be mounted upside down.

It is important, that the ring magnet remains on the screwdriver – if you remove it, you are also removing the magnetisation at the same time.

Additional comment from our customer Joris: If you need to mount a screw upside down in a ceiling, you can also attach it to the screwdriver with one or two S-15-03-N ([www.supermagnete.fr/eng/S-15-03-N](http://www.supermagnete.fr/eng/S-15-03-N)) disc magnets, for example.



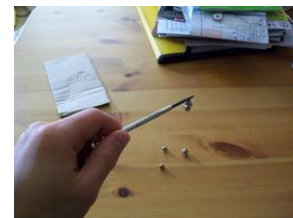
## Option 2: Magnetise the screwdriver with a strong magnet

This also works with a screwdriver that's never been magnetised before. Protect a large block magnet ([www.supermagnete.fr/eng/group/blocks](http://www.supermagnete.fr/eng/group/blocks)), for example a Q-50-25-10-LN ([www.supermagnete.fr/eng/Q-50-25-10-LN](http://www.supermagnete.fr/eng/Q-50-25-10-LN)), with a piece of cardboard (important!), then place the lacklustre screwdriver on the cardboard. This causes the molecular magnets in the screwdriver to orient themselves in the same direction.



The test proves: Now even this small screwdriver holds two screws at once!

Note: Screwdrivers lose their magnetisation relatively quickly again, but a super magnet magnetises them again in a few seconds.



### Articles used

1 x R-19-09-06-N: Ring magnet Ø 19,1/9,5 mm, height 6,4 mm ([www.supermagnete.fr/eng/R-19-09-06-N](http://www.supermagnete.fr/eng/R-19-09-06-N))

1 x Q-50-25-10-LN: Block magnet 50 x 25 x 10 mm ([www.supermagnete.fr/eng/Q-50-25-10-LN](http://www.supermagnete.fr/eng/Q-50-25-10-LN))

2 x S-15-03-N: Disc magnet Ø 15 mm, height 3 mm ([www.supermagnete.fr/eng/S-15-03-N](http://www.supermagnete.fr/eng/S-15-03-N))

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